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1 [Internet and WWW-based systems: Autonomous visual model building based on image crawling through internet search engines](#)



Xiaodan Song, Ching-Yung Lin, Ming-Ting Sun

October 2004 **Proceedings of the 6th ACM SIGMM international workshop on Multimedia information retrieval MIR '04**

Publisher: ACM Press

Full text available:  pdf(575.15 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper, we propose an autonomous learning scheme to automatically build visual semantic concept models from the output data of Internet search engines without any manual labeling work. First of all, images are gathered by crawling through the Internet using a search engine such as Google. Then, we model the search results as "Quasi-Positive Bags" in the Multiple-Instance Learning (MIL) framework. We call this generalized MIL (GMIL). We propose an algorithm called "Bag K-Means" to find ...

**Keywords:** automatic training, content-based image retrieval, cross-modality, image crawling, multiple-instance learning, quasi-positive bag, uncertain labeling density

2 [Data extraction: Fully automatic wrapper generation for search engines](#)



Hongkun Zhao, Weiyi Meng, Zonghuan Wu, Vijay Raghavan, Clement Yu

May 2005 **Proceedings of the 14th international conference on World Wide Web WWW '05**

Publisher: ACM Press

Full text available:  pdf(315.59 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

When a query is submitted to a search engine, the search engine returns a dynamically generated result page containing the result records, each of which usually consists of a link to and/or snippet of a retrieved Web page. In addition, such a result page often also contains information irrelevant to the query, such as information related to the hosting site of the search engine and advertisements. In this paper, we present a technique for automatically producing wrappers that can be used to extr ...

**Keywords:** information extraction, search engine, wrapper generation

3 [Guidelines: Designing search engine user interfaces for the visually impaired](#)



Barbara Leporini, Patrizia Andronico, Marina Buzzi

May 2004 **Proceedings of the 2004 international cross-disciplinary workshop on Web accessibility (W4A) W4A '04**

**Publisher:** ACM Press

Full text available:  pdf(500.49 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Search engines are a fundamental tool for retrieving specific and appropriate information on the Internet; for this reason it is essential for any user to be able to interact with simple, clear and accessible interfaces. In this paper we describe the main design issues affecting the user interface of a search engine when a sightless user interacts by means of a screen reader or voice synthesizer. In particular, the most important differences between a visual layout and aural perception are discus ...

**Keywords:** Internet, accessibility, search engine, usability, user interface design, web navigation


4 Visual information retrieval from large distributed online repositories

 Shih-Fu Chang, John R. Smith, Mandis Beigi, Ana Benitez  
December 1997 **Communications of the ACM**, Volume 40 Issue 12


**Publisher:** ACM Press

Full text available:  pdf(1.96 MB) Additional Information: [full citation](#), [references](#), [citing](#)s, [index terms](#)

5 Image II: Analysing the performance of visual, concept and text features in content-based video retrieval

 Mika Rautiainen, Timo Ojala, Tapio Seppänen  
October 2004 **Proceedings of the 6th ACM SIGMM international workshop on Multimedia information retrieval MIR '04**


**Publisher:** ACM Press

Full text available:  pdf(493.48 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citing](#)s, [index terms](#)


This paper describes revised content-based search experiments in the context of TRECVID 2003 benchmark. Experiments focus on measuring content-based video retrieval performance with following search cues: visual features, semantic concepts and text. The fusion of features uses weights and similarity ranks. Visual similarity is computed using Temporal Gradient Correlogram and Temporal Color Correlogram features that are extracted from the dynamic content of a video shot. Automatic speech recog ...

**Keywords:** Borda count, content-based video retrieval, feature fusion, semantic concepts

6 PicASHOW: pictorial authority search by hyperlinks on the web

 January 2002 **ACM Transactions on Information Systems (TOIS)**, Volume 20 Issue 1

**Publisher:** ACM Press

Full text available:  pdf(436.32 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

We describe PicASHOW, a fully automated WWW image retrieval system that is based on several link-structure analyzing algorithms. Our basic premise is that a page  $p$  displays (or links to) an image when the author of  $p$  considers the image to be of value to the viewers of the page. We thus extend some well known link-based WWW *page retrieval* schemes to the context of image retrieval. PicASHOW's analysis of the link structure enables it to retrieve relevant images even when those ...

**Keywords:** Image retrieval, hubs and authorities, image hubs, link structure analysis

7 Posters: Predicting query difficulty on the web by learning visual clues

Eric C. Jensen, Steven M. Beitzel, David Grossman, Ophir Frieder, Abdur Chowdhury  
August 2005 **Proceedings of the 28th annual international ACM SIGIR conference on**

**Research and development in information retrieval SIGIR '05****Publisher:** ACM PressFull text available: pdf(224.23 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We describe a method for predicting query difficulty in a precision-oriented web search task. Our approach uses visual features from retrieved surrogate document representations (titles, snippets, etc.) to predict retrieval effectiveness for a query. By training a supervised machine learning algorithm with manually evaluated queries, visual clues indicative of relevance are discovered. We show that this approach has a moderate correlation of 0.57 with precision at 10 scores from manual relevance ...

**Keywords:** query difficulty, web search8 Designing search engine user interfaces for the visually impaired

Barbara Leporini, Patrizia Andronico, Marina Buzzi

June 2003 **ACM SIGCAPH Computers and the Physically Handicapped**, Issue 76**Publisher:** ACM PressFull text available: pdf(241.11 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Search engines are a fundamental tool for retrieving specific and appropriate information on the Internet; for this reason it is essential for any user to be able to interact with simple, clear and accessible interfaces. In this paper we discuss the main differences between a visual layout and aural perception, and propose a set of guidelines for search engine user interface UIs design.

**Keywords:** Internet, accessibility, search engine, usability, user interface, user interface design, web navigation9 PicASHOW: pictorial authority search by hyperlinks on the Web

Ronny Lempel, Aya Soffer

April 2001 **Proceedings of the 10th international conference on World Wide Web WWW '01****Publisher:** ACM PressFull text available: pdf(633.77 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**Keywords:** hubs and authorities, image hubs, image retrieval, link structure analysis10 Technical session 15: WWW image retrieval: Hierarchical clustering of WWW image search results using visual, textual and link information

Deng Cai, Xiaofei He, Zhiwei Li, Wei-Ying Ma, Ji-Rong Wen

October 2004 **Proceedings of the 12th annual ACM international conference on Multimedia MULTIMEDIA '04****Publisher:** ACM PressFull text available: pdf(1.15 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We consider the problem of clustering Web image search results. Generally, the image search results returned by an image search engine contain multiple topics. Organizing the results into different semantic clusters facilitates users' browsing. In this paper, we propose a hierarchical clustering method using visual, textual and link analysis. By using a vision-based page segmentation algorithm, a web page is partitioned into blocks, and the textual and link information of an image can be accu ...

**Keywords:** graph model, image clustering, link analysis, search result organization, spectral analysis, vision based page segmentation, web image search

11 Applications session 2: searching media I: IGroup: web image search results clustering



Feng Jing, Changhu Wang, Yuhuan Yao, Kefeng Deng, Lei Zhang, Wei-Ying Ma  
October 2006 **Proceedings of the 14th annual ACM international conference on Multimedia MULTIMEDIA '06**

**Publisher:** ACM Press

Full text available: pdf(536.49 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper, we propose, IGroup, an efficient and effective algorithm that organizes Web image search results into clusters. IGroup is different from all existing Web image search results clustering algorithms that only cluster the top few images using visual or textual features. Our proposed algorithm first identifies several query-related semantic clusters based on a key phrases extraction algorithm originally proposed for clustering general Web search results. Then, all the resulting images ...

**Keywords:** search result clustering, user interface design, web image search

12 Image Retrieval from the World Wide Web: Issues, Techniques, and Systems



M. L. Kherfi, D. Ziou, A. Bernardi  
March 2004 **ACM Computing Surveys (CSUR)**, Volume 36 Issue 1

**Publisher:** ACM Press

Full text available: pdf(294.13 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

With the explosive growth of the World Wide Web, the public is gaining access to massive amounts of information. However, locating needed and relevant information remains a difficult task, whether the information is textual or visual. Text search engines have existed for some years now and have achieved a certain degree of success. However, despite the large number of images available on the Web, image search engines are still rare. In this article, we show that in order to allow people to profi ...

**Keywords:** Image-retrieval, World Wide Web, crawling, feature extraction and selection, indexing, relevance feedback, search, similarity

13 VideoQ: an automated content based video search system using visual cues



Shih-Fu Chang, William Chen, Horace J. Meng, Hari Sundaram, Di Zhong  
November 1997 **Proceedings of the fifth ACM international conference on Multimedia MULTIMEDIA '97**

**Publisher:** ACM Press

Full text available: pdf(1.67 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

14 Late breaking posters: MetaCrystal: visual interface for meta searching



Anselm Spoerri  
April 2004 **CHI '04 extended abstracts on Human factors in computing systems CHI '04**

**Publisher:** ACM Press

Full text available: pdf(77.75 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

MetaCrystal visualizes the degree of overlap between the top results returned by different search engines. Linked overview tools support rapid exploration, facilitate advanced filtering operations and guide users toward relevant information. The direct manipulation interface enables users to iteratively compose and edit meta searches. MetaCrystal addresses the problem of the effective fusion of different search engine results by helping

users control and gain insight into how to combine and filt ...

15 Poster session 1: multimedia retrieval: Visual pattern discovery using web images

 Yongqing Sun, Satoshi Shimada, Masashi Morimoto  
October 2006 **Proceedings of the 8th ACM international workshop on Multimedia information retrieval MIR '06**


**Publisher:** ACM Press

Full text available:  [pdf\(660.39 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper, a novel approach for discovering visual patterns associated with semantic concepts using web image resources is proposed. This approach can be used to improve the performance in image clustering and retrieval, image annotation, and other applications such as object recognition. Exploring the rich information in web images that represent semantic concepts as both visual content and text information, this research attempts to effectively learn intrinsic patterns related to semantic c ...

**Keywords:** image clustering and retrieval, unsupervised learning, visual pattern discovering, web image mining

16 Oral session 2: web searching and applications: Probabilistic web image gathering

 Keiji Yanai, Kobus Barnard  
November 2005 **Proceedings of the 7th ACM SIGMM international workshop on Multimedia information retrieval MIR '05**

**Publisher:** ACM Press

Full text available:  [pdf\(922.85 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We propose a new method for automated large scale gathering of Web images relevant to specified concepts. Our main goal is to build a knowledge base associated with as many concepts as possible for large scale object recognition studies. A second goal is supporting the building of more accurate text-based indexes for Web images. In our method, good quality candidate sets of images for each keyword are gathered as a function of analysis of the surrounding HTML text. The gathered images are then s ...

**Keywords:** image selection, probabilistic method, web image mining, web image search

17 Personalization of search engine services for effective retrieval and knowledge management

Weiguo Fan, Michael D. Gordon, Praveen Pathak  
December 2000 **Proceedings of the twenty first international conference on Information systems ICIS '00**

**Publisher:** Association for Information Systems

Full text available:  [pdf\(174.07 KB\)](#) Additional Information: [full citation](#), [references](#), [citings](#), [index terms](#)

18 Posters: Surrogate scoring for improved metasearch precision

 Steven M. Beitzel, Eric C. Jensen, Ophir Frieder, Abdur Chowdhury, Greg Pass  
August 2005 **Proceedings of the 28th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '05**

**Publisher:** ACM Press

Full text available:  [pdf\(325.29 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

We describe a method for improving the precision of metasearch results based upon scoring the visual features of documents' surrogate representations. These surrogate scores are used during fusion in place of the original scores or ranks provided by the underlying search engines. Visual features are extracted from typical search result surrogate information, such as title, snippet, URL, and rank. This approach specifically avoids the use of search engine-specific scores and collection statistics ...

**Keywords:** data fusion, machine learning, metasearch, web search

19 Paper session IR-4 (information retrieval): machine learning: ViPER: augmenting automatic information extraction with visual perceptions



Kai Simon, Georg Lausen

October 2005 **Proceedings of the 14th ACM international conference on Information and knowledge management CIKM '05**

**Publisher:** ACM Press

Full text available: pdf(484.44 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper we address the problem of unsupervised Web data extraction. We show that unsupervised Web data extraction becomes feasible when supposing pages that are made up of repetitive patterns, as it is the case, e.g., for search engine result pages. Hereby the extraction rules are generated automatically without any training or human interaction, by means of operating on the DOM tree respectively the flat tag token sequence of a single page. Our contribution to automatic data extraction thr ...

**Keywords:** data extraction, data record alignment, visual features

20 Demonstrations: visual interfaces: AMORE: a world-wide web image retrieval engine



Sougata Mukherjea, Kyoji Hirata, Yoshinori Hara

May 1999 **CHI '99 extended abstracts on Human factors in computing systems CHI '99**

**Publisher:** ACM Press

Full text available: pdf(352.39 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

**Advanced Multimedia Oriented Retrieval Engine (AMORE)** [2] is a World-Wide Web image retrieval engine integrating several techniques to facilitate effective retrieval of images from the Web. With the explosive growth of information that is available through the WWW, it is becoming increasingly difficult for the users to find the information of interest. Therefore, search engines are becoming very popular and useful. However, most of the popular search engines today are textual. Although mo ...

**Keywords:** clustering, image search, keyword search, query result visualization, world-wide web

Results 1 - 20 of 200

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

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Refine Search

Search Results -

Terms	Documents
search engine\$1 and network\$3 and (fetch\$3 same data) and (search same criteria\$1) and (format\$4 same document\$1) and root data	0

Database:

- US Pre-Grant Publication Full-Text Database
- US Patents Full-Text Database
- US OCR Full-Text Database
- EPO Abstracts Database
- JPO Abstracts Database
- Derwent World Patents Index
- IBM Technical Disclosure Bulletins

Search:

L1

ACCORDING TO PROSECUTION

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Monday, March 05, 2007    [Purge Queries](#)    [Printable Copy](#)    [Create Case](#)

<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
	DB=PGPB; PLUR=YES; OP=ADJ		
L1	search engine\$1 and network\$3 and (fetch\$3 same data) and (search same criteria\$1) and (format\$4 same document\$1) and root data	0	L1

END OF SEARCH HISTORY



Refine Search

Search Results -

Terms	Documents
L9 and L3	125

Database:

- US Pre-Grant Publication Full-Text Database
- US Patents Full-Text Database
- US OCR Full-Text Database
- EPO Abstracts Database
- JPO Abstracts Database
- Derwent World Patents Index
- IBM Technical Disclosure Bulletins

Search:

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Monday, March 05, 2007    [Purge Queries](#)    [Printable Copy](#)    [Create Case](#)

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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
<u>L1</u>	Internet and search engine\$1	15396	<u>L1</u>
<u>L2</u>	L1 and thumbnail\$1	873	<u>L2</u>
<u>L3</u>	Internet and (visual same search engine\$1)	472	<u>L3</u>
<u>L4</u>	L3 and (highlight\$3 same term\$1)	34	<u>L4</u>
<u>L5</u>	L2 and (highlight\$3 same term\$1)	77	<u>L5</u>
<u>L6</u>	L5 and (home near page\$1)	19	<u>L6</u>
<u>L7</u>	715/501.1.ccls.	1459	<u>L7</u>
<u>L8</u>	715/513.ccls.	3120	<u>L8</u>
<u>L9</u>	707/1-3.ccls.	14575	<u>L9</u>
<u>L10</u>	L7 and L3	15	<u>L10</u>
<u>L11</u>	L8 and L3	19	<u>L11</u>
<u>L12</u>	L9 and L3	125	<u>L12</u>

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☐ 1. Document ID: US 20060168507 A1

L10: Entry 1 of 15

File: PGPB

Jul 27, 2006

PGPUB-DOCUMENT-NUMBER: 20060168507

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060168507 A1

TITLE: Apparatus, system, and method for digitally presenting the contents of a printed publication

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 2. Document ID: US 20050246623 A1

L10: Entry 2 of 15

File: PGPB

Nov 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050246623

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050246623 A1

TITLE: Method and system for identifying image relatedness using link and page layout analysis

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 20050240576 A1

L10: Entry 3 of 15

File: PGPB

Oct 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050240576

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050240576 A1

TITLE: Named URL entry

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 20050021851 A1

L10: Entry 4 of 15

File: PGPB

Jan 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050021851

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050021851 A1

TITLE: System, apparatus, and method for directional control input browsing in smart phones

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 5. Document ID: US 20040255237 A1

L10: Entry 5 of 15

File: PGPB

Dec 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040255237

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040255237 A1

TITLE: Document search engine including highlighting of confident results

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 6. Document ID: US 20040205514 A1

L10: Entry 6 of 15

File: PGPB

Oct 14, 2004

PGPUB-DOCUMENT-NUMBER: 20040205514

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040205514 A1

TITLE: Hyperlink preview utility and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 7. Document ID: US 20040187074 A1

L10: Entry 7 of 15

File: PGPB

Sep 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040187074

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040187074 A1

TITLE: Identifying previously bookmarked hyperlinks in a received web page in a world wide Web network browser system for searching

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 8. Document ID: US 20040049728 A1

L10: Entry 8 of 15

File: PGPB

Mar 11, 2004

PGPUB-DOCUMENT-NUMBER: 20040049728

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040049728 A1

TITLE: Method of locating web-pages by utilising visual images

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 9. Document ID: US 20020069218 A1

L10: Entry 9 of 15

File: PGPB

Jun 6, 2002

PGPUB-DOCUMENT-NUMBER: 20020069218

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020069218 A1

TITLE: System and method for indexing, searching, identifying, and editing portions of electronic multimedia files

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 10. Document ID: US 20010034742 A1

L10: Entry 10 of 15

File: PGPB

Oct 25, 2001

PGPUB-DOCUMENT-NUMBER: 20010034742

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010034742 A1

TITLE: Apparatus, method and system for a temporal interface, interpretive help, directed searches, and dynamic association mapping

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 11. Document ID: US 6920606 B1

L10: Entry 11 of 15

File: USPT

Jul 19, 2005

US-PAT-NO: 6920606

DOCUMENT-IDENTIFIER: US 6920606 B1

TITLE: Custom computer wallpaper and marketing system and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 12. Document ID: US 6883138 B2

L10: Entry 12 of 15

File: USPT

Apr 19, 2005

US-PAT-NO: 6883138

DOCUMENT-IDENTIFIER: US 6883138 B2

TITLE: Methods and systems for generating enhanced thumbnails usable for document navigation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 13. Document ID: US 6654758 B1

L10: Entry 13 of 15

File: USPT

Nov 25, 2003

US-PAT-NO: 6654758

DOCUMENT-IDENTIFIER: US 6654758 B1

TITLE: Method for searching multiple file types on a CD ROM

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 14. Document ID: US 6643641 B1

L10: Entry 14 of 15

File: USPT

Nov 4, 2003

US-PAT-NO: 6643641

DOCUMENT-IDENTIFIER: US 6643641 B1

TITLE: Web search engine with graphic snapshots

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 15. Document ID: US 6202061 B1

L10: Entry 15 of 15

File: USPT

Mar 13, 2001

US-PAT-NO: 6202061

DOCUMENT-IDENTIFIER: US 6202061 B1

TITLE: Methods and apparatuses for creating a collection of media

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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Clear

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Fwd Refs

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Generate OACS

Terms	Documents
L7 and L3	15

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Hit List

First Hit

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Generate Collection

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Fwd Refs

Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 25 of 34 returned.

☐ 1. Document ID: US 20070050393 A1

L4: Entry 1 of 34

File: PGPB

Mar 1, 2007

PGPUB-DOCUMENT-NUMBER: 20070050393  
PGPUB-FILING-TYPE:  
DOCUMENT-IDENTIFIER: US 20070050393 A1

TITLE: Search system and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 2. Document ID: US 20070005576 A1

L4: Entry 2 of 34

File: PGPB

Jan 4, 2007

PGPUB-DOCUMENT-NUMBER: 20070005576  
PGPUB-FILING-TYPE:  
DOCUMENT-IDENTIFIER: US 20070005576 A1

TITLE: Search engine user interface

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 3. Document ID: US 20060129915 A1

L4: Entry 3 of 34

File: PGPB

Jun 15, 2006

PGPUB-DOCUMENT-NUMBER: 20060129915  
PGPUB-FILING-TYPE:  
DOCUMENT-IDENTIFIER: US 20060129915 A1

TITLE: Blinking annotation callouts highlighting cross language search results

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 4. Document ID: US 20060116994 A1

L4: Entry 4 of 34

File: PGPB

Jun 1, 2006

PGPUB-DOCUMENT-NUMBER: 20060116994  
PGPUB-FILING-TYPE:  
DOCUMENT-IDENTIFIER: US 20060116994 A1

TITLE: System and method for interactive multi-dimensional visual representation of information content and properties

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw Desc	Image
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☐ 5. Document ID: US 20060085741 A1

L4: Entry 5 of 34

File: PGPB

Apr 20, 2006

PGPUB-DOCUMENT-NUMBER: 20060085741

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060085741 A1

TITLE: Method and apparatus to view multiple web pages simultaneously from network based search

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw Desc	Image
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☐ 6. Document ID: US 20050246623 A1

L4: Entry 6 of 34

File: PGPB

Nov 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050246623

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050246623 A1

TITLE: Method and system for identifying image relatedness using link and page layout analysis

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw Desc	Image
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☐ 7. Document ID: US 20050144073 A1

L4: Entry 7 of 34

File: PGPB

Jun 30, 2005

PGPUB-DOCUMENT-NUMBER: 20050144073

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050144073 A1

TITLE: Method and system for serving advertisements

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw Desc	Image
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☐ 8. Document ID: US 20050086634 A1

L4: Entry 8 of 34

File: PGPB

Apr 21, 2005

PGPUB-DOCUMENT-NUMBER: 20050086634

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050086634 A1

TITLE: Web page development environment that displays frequency of use information

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 9. Document ID: US 20050050024 A1

L4: Entry 9 of 34

File: PGPB

Mar 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050050024

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050050024 A1

TITLE: System and method for providing an improved graphical user interface for search

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 10. Document ID: US 20040225647 A1

L4: Entry 10 of 34

File: PGPB

Nov 11, 2004

PGPUB-DOCUMENT-NUMBER: 20040225647

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040225647 A1

TITLE: Display system and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 11. Document ID: US 20040205514 A1

L4: Entry 11 of 34

File: PGPB

Oct 14, 2004

PGPUB-DOCUMENT-NUMBER: 20040205514

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040205514 A1

TITLE: Hyperlink preview utility and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 12. Document ID: US 20040100510 A1

L4: Entry 12 of 34

File: PGPB

May 27, 2004

PGPUB-DOCUMENT-NUMBER: 20040100510

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040100510 A1

TITLE: User interface for a resource search tool



Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 13. Document ID: US 20040054662 A1

L4: Entry 13 of 34

File: PGPB

Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040054662

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040054662 A1

TITLE: Automated research engine

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 14. Document ID: US 20030210280 A1

L4: Entry 14 of 34

File: PGPB

Nov 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030210280

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030210280 A1

TITLE: Device and method for previewing themes and categories of sequenced symbols

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 15. Document ID: US 20030208507 A1

L4: Entry 15 of 34

File: PGPB

Nov 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030208507

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030208507 A1

TITLE: Knowledge driven systems and modus operandi for customer, client and sales transactions

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 16. Document ID: US 20030197744 A1

L4: Entry 16 of 34

File: PGPB

Oct 23, 2003

PGPUB-DOCUMENT-NUMBER: 20030197744

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030197744 A1

TITLE: Zeroclick

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 17. Document ID: US 20030110181 A1

L4: Entry 17 of 34

File: PGPB

Jun 12, 2003

PGPUB-DOCUMENT-NUMBER: 20030110181

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030110181 A1

TITLE: SYSTEM AND METHOD FOR CLUSTERING DATA OBJECTS IN A COLLECTION

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 18. Document ID: US 20030074369 A1

L4: Entry 18 of 34

File: PGPB

Apr 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030074369

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030074369 A1

TITLE: SYSTEM AND METHOD FOR IDENTIFYING SIMILARITIES AMONG OBJECTS IN A COLLECTION

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 19. Document ID: US 20030074368 A1

L4: Entry 19 of 34

File: PGPB

Apr 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030074368

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030074368 A1

TITLE: SYSTEM AND METHOD FOR QUANTITATIVELY REPRESENTING DATA OBJECTS IN VECTOR SPACE

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 20. Document ID: US 20030050927 A1

L4: Entry 20 of 34

File: PGPB

Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030050927

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030050927 A1

TITLE: System and method for location, understanding and assimilation of digital documents through abstract indicia

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 21. Document ID: US 7149983 B1

L4: Entry 21 of 34

File: USPT

Dec 12, 2006

US-PAT-NO: 7149983

DOCUMENT-IDENTIFIER: US 7149983 B1

TITLE: User interface and method to facilitate hierarchical specification of queries using an information taxonomy

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 22. Document ID: US 7111237 B2

L4: Entry 22 of 34

File: USPT

Sep 19, 2006

US-PAT-NO: 7111237

DOCUMENT-IDENTIFIER: US 7111237 B2

TITLE: Blinking annotation callouts highlighting cross language search results

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20060129915 A1

June 15, 2006

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 23. Document ID: US 7076484 B2

L4: Entry 23 of 34

File: USPT

Jul 11, 2006

US-PAT-NO: 7076484

DOCUMENT-IDENTIFIER: US 7076484 B2

TITLE: Automated research engine

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040054662 A1

March 18, 2004

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 24. Document ID: US 6941321 B2

L4: Entry 24 of 34

File: USPT

Sep 6, 2005

US-PAT-NO: 6941321

DOCUMENT-IDENTIFIER: US 6941321 B2

TITLE: System and method for identifying similarities among objects in a collection

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KMC	Draw Desc	Image
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☐ 25. Document ID: US 6922699 B2

L4: Entry 25 of 34

File: USPT

Jul 26, 2005

US-PAT-NO: 6922699

DOCUMENT-IDENTIFIER: US 6922699 B2

TITLE: System and method for quantitatively representing data objects in vector space

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KMC	Draw Desc	Image
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